

## BUD31 RABBIT PAB

**Cat.#:** S218381

**Product Name:** Anti-BUD31 Rabbit Polyclonal Antibody

**Synonyms:** G10; EDG2; Cwc14; EDG-2; fSAP17; YCR063W

**UNIPROT ID:** P41223 (Gene Accession - BC022821 )

**Background:** BUD31 (Protein G10 homolog, EDG-2) is a 144 amino acid protein encoded by the human gene BUD31. BUD31 is a nuclear protein that belongs to the BUD31 (G10) family. BUD31 is found on chromosome 7 which is about 158 million bases long, encodes over 1,000 genes and makes up about 5% of the human genome. Chromosome 7 has been linked to osteogenesis imperfecta, Pendred syndrome, lissencephaly, citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the long (q) arm of human chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfot and friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders including cases of acute myelogenous leukemia and myelodysplasia.

**Immunogen:** Full length fusion protein

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-300;WB: 1000-5000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

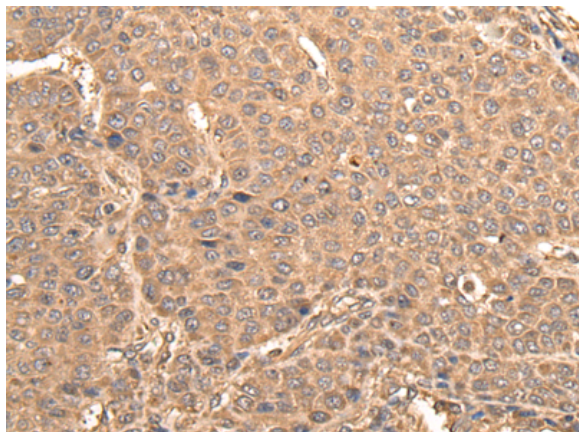
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

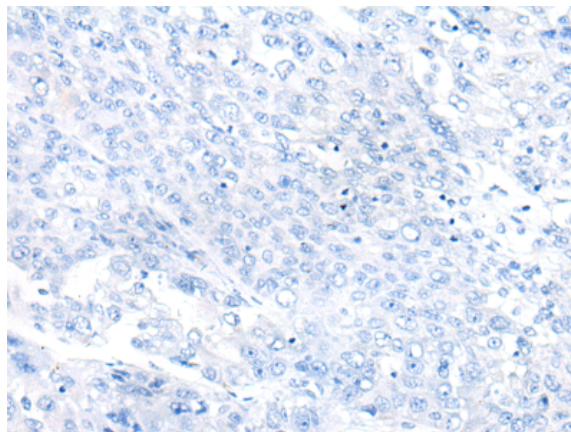
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling

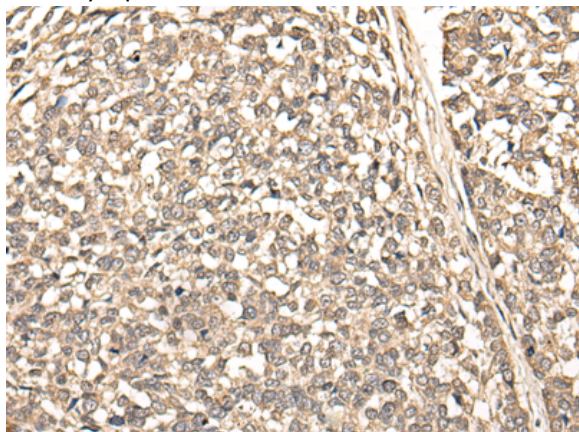
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



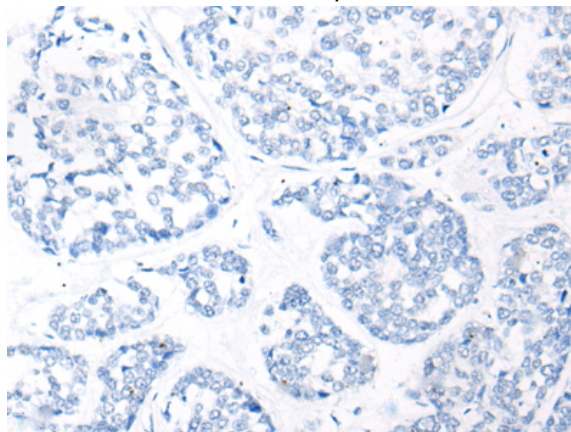
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 218381(BUD31 Antibody) at a dilution of 1/75(Cytoplasm or Nucleus).



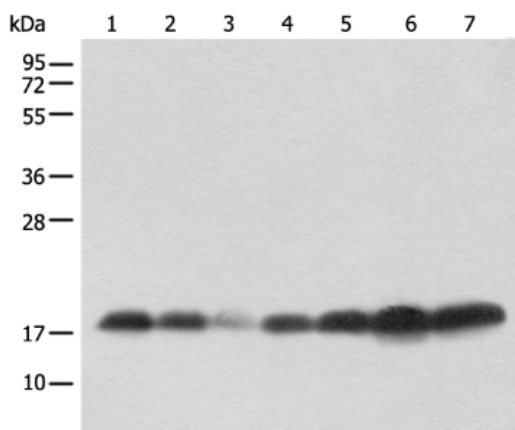
In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the fusion protein and then with 218381(Anti-BUD31 Antibody) at dilution 1/75.



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 218381(Anti-BUD31 Antibody) at a dilution of 1/75.



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with fusion protein and then with D224293(Anti-BUD31 Antibody) at dilution 1/75.



Gel: 12%SDS-PAGE, Lysate: 40 µg;  
 Lane 1-7: Human testis tissue, Mouse brain tissue,  
 Mouse heart tissue, PC-3 cell, 231 cell, Raji and  
 Jurkat cell lysates;  
 Primary antibody: 218381(BUD31 Antibody) at  
 dilution 1/800;  
 Secondary antibody: Goat anti rabbit IgG at 1/8000  
 dilution;  
 Exposure time: 10 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

---